

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new non-provisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. AFB 00670

First Inventor or Application Identifier

Richard A. Soref et al.

Title

Express Mail Label No.

TO

S.

U.S.

17510

10/7

P2261

12803

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

**ADDRESS TO:** MS Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1.  \*Fee Transmittal Form (e.g., PTO/SB/17)

2.  Applicant claims small entity status  
(See 37 CFR 1.27)

3.  Specification [ Total Pages 15 ]  
(Preferred arrangement set forth below)  
 - Descriptive title of the invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R&D  
 - Reference to sequence listing, a table, or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 8 ]

5. Oath or Declaration [ Total Pages 3 ]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
 (for continuation/divisional with Box 18 completed)  
 i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
 a.  Computer Readable Form (CRF)  
 b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or  
 ii.  Paper  
 c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 1.373(b) Statement  Power of Attorney

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS) PTO/SB/08A  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503) (should be itemized)

15.  Certified Copy of Priority Document(s)

16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach for PTO/SB/35 or its equivalent.

17.  Other: \_\_\_\_\_

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76

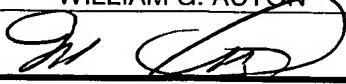
Continuation  Divisional  Continuation in Part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5B, is considered to be a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	29922 (Insert Customer No. here)		or <input type="checkbox"/> Correspondence address below		
Name	WILLIAM G. AUTON				
Address	ESC/JAZ				
	40 Wright Street Bldg 1120				
City	HANSCOM AFB	State	MA	Zip Code	01731-2903
Country	U.S.A.	Telephone	(781) 377-4072		Fax (781) 377-4820

Name (Print / Type)	WILLIAM G. AUTON	Registration No. (Attorney / Agent)	31,320
Signature			Date 24 November 2004

# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27
**TOTAL AMOUNT OF PAYMENT** (\$ 750.00)
**METHOD OF PAYMENT**
 Check    Credit card    Money Order    Other    None

Deposit Account Number

AF 01-0465

Deposit Account Name

Department of the Air Force

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below    Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee	Small Entity Fee	Fee Description	Fee Paid
Code (\$)	Code (\$)		
1001 770	2001 385	Utility Filing Fee	750.00
1002 340	2002 170	Design Filing Fee	
1003 530	2003 265	Plant Filing Fee	
1004 770	2004 385	Reissue Filing Fee	
1005 160	2005 80	Provisional Filing Fee	
<b>SUBTOTAL (1)</b>		<b>\$ 750.00</b>	

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	14	- 20** =	0	x	18	=	0	Fee Paid
Indep. Claims	2	- 3** =	0	x	86	=	0	
Multiple Dependent						=		

Large Entity Fee Code	Small Entity Fee Code	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	**Reissue independent claims over original patent
1205 18	2205 9	**Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		<b>\$ 0.00</b>

\*\*or number previously paid, if greater; For Reissues, see above

**Complete if Known**

Application Number

Filing Date

First Named Inventor Richard A. Soref et al

Examiner Name

Group Art Unit

Attorney Docket Number AFB00670

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

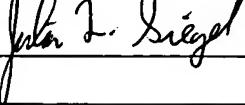
Large Entity Code	Entity Fee (\$)	Small Entity Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner Action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** \$ 0.00**SUBMITTED BY**

Complete (if applicable)

Typed or Printed Name	JULIAN L. SIEGEL	Registration. No.	22,407	Telephone	(781) 377-4072
Signature				Date	24 November 2003
Typed or Printed Name		Registration. No.		Telephone	
Signature				Date	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	RICHARD A. SOREF ET AL
Title	Strain-engineered Direct-Gap Ge/Sn...
Atty Docket Number	AFB00670

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

24 November 2003

Date

Signature

WILLIAM G. AUTON, 31,320

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

**Burden Hour Statement:** This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.